

B.Sc. Semester I (Honours) Examination, 2018-19

ZOOLOGY

Course ID: 12601

Course Code: SHZOO-101C-1(T)

Course Title: Non-Chordate I

Time: 1 Hour 15 Minutes

Full Marks: 25

The figures in the margin indicate full marks.

*Candidates are required to give their answers in their own words
as far as practicable.*

1. Answer *any five* questions: 1×5=5
 - (a) What is holotype?
 - (b) Why phylum Porifera is known as dead end phylum?
 - (c) What do you mean by available name?
 - (d) What is Endomixis?
 - (e) What do you mean by metachronous rhythm?
 - (f) Write down the larval form of *Obelia* sp.
 - (g) What is Schuffner's dot?
 - (h) Name primary and secondary host of *Plasmodium vivax*.

2. Answer *any two* questions: 5×2=10
 - (a) What is symmetry? Describe various types of symmetry. 1+4=5
 - (b) Describe life cycle of *Entamoeba histolytica* with suitable diagram. 3+2=5
 - (c) What is Atoll? Give example of a Barrier Reef. What is coral bleaching? Mention briefly the importance of corals. 1+1+1+2=5
 - (d) Explain principle of priority with suitable examples. Distinguish between synonym and homonym. 3+2=5

3. Answer *any one* question: 10×1=10
 - (a) What is Polymorphism? State the different types of polymorphism in Hydrozoan Cnidaria.
 - (b) Classify Phylum Porifera upto classes according to Hyman with characteristics features and example of each class.
